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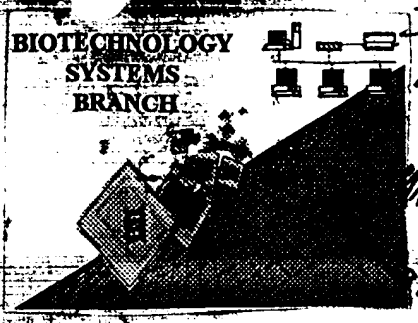
BIOTECHNOLOGY SYSTEMS BRANCH



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RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/605,042

Source: 1633

Date Processed by STIC: 1/11/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 09/605,042

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
2 ____	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped " down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
3 ____	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4 ____	Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5 ____	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6 ____	Variable Length	Sequence(s) ____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
7 ____	PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
8 ____	Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: **This sequence is intentionally skipped** Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9 ____	Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. <210> sequence id number <400> sequence id number 000
10 ____	Use of n's or Xaa's, (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
11 ____	Use of <213>Organism (NEW RULES)	Sequence(s) _____ are missing this mandatory field or its response.
12 ____	Use of <220>Feature (NEW RULES)	Sequence(s) ____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" **Please explain source of genetic material in <220> to <223> section.** (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
13 ____	PatentIn ver. 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

Does Not Comply
Corrected Diskette Needed

pp 1-11

```
   4 <110> APPLICANT: WU, Xue-Ru
   5       SUN, Tung-Tien
   7 <120> TITLE OF INVENTION: TRANSGENIC ANIMALS AS URINARY BIOREACTORS FOR THE
   8       PRODUCTION OF POLYPEPTIDE IN THE URINE, RECOMBINANT DNA
   9       CONSTRUCT FOR KIDNEY-SPECIFIC EXPRESSION, AND METHOD OF
  10       USING SAME
  12 <130> FILE REFERENCE: WU43C
  14 <140> CURRENT APPLICATION NUMBER: US/09/605,042
  15 <141> CURRENT FILING DATE: 2000-06-26
  17 <150> PRIOR APPLICATION NUMBER: 60/108,195
  18 <151> PRIOR FILING DATE: 1998-11-13
  20 <150> PRIOR APPLICATION NUMBER: 60/142,925
  21 <151> PRIOR FILING DATE: 1999-07-09
  23 <150> PRIOR APPLICATION NUMBER: 09/438,785
  24 <151> PRIOR FILING DATE: 1999-11-12
  26 <160> NUMBER OF SEQ ID NOS: 54
  28 <170> SOFTWARE: PatentIn Ver. 2.1
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OK

ERRORED SEQUENCES

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  30 <210> SEQ ID NO: 1
  31 <211> LENGTH: 9345
  32 <212> TYPE: DNA
  33 <213> ORGANISM: MOUSE UROMODULIN
  35 <400> SEQUENCE: 1
E--> 36 gggggggccc tcgggagttt ggctaagtct tgcaaatgag ctgtgatgac aggtttgcgc
  37 60
E--> 38 catatgagat ccagtgacaa gctcatctct agatgtctgc ataccaataa gtgacccatc
  39 120
E--> 40 attatgcaat caggccggac tcatcctctg tggctttgtc tcttactact gtaaacttga
  41 180
E--> 42 taacctatat gattttaccc atttcccctc catggcactc aactctcctc ttcctatgtg
  43 240
E--> 44 accctactta tgtcctatgt gactccagct gcttcctttg atgagagcca tcctgttctt
  45 300
E--> 46 tctatgtgac tctgctcact tcttccacgt gactccacca atctgtctac attgcagagt
  47 360
E--> 48 cactcacagt ttcttgagag cagaagactc agaactgatc tgtcctcaat gtcctcccta
  49 420
E--> 50 cactttctcc tcataatcca catatctaaa gctatagaga taatttcatg cactatagct
  51 480
E--> 52 ttcagtacta tcgtatctac tgtctctacc ctgtaactgg tatcttcatg acatctcgaa
  53 540
E--> 54 tatttccaat ttctctattg ctgcaaagtc ttgagaagtc tagtcttatg gatctccttt
  55 600
E--> 56 tctcctcagg tctcctggtc tccacacacc attcacactt cttgaatatt ctttgaacat
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60 → 120 format error

see item 1 on Error Summary Sheet

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

57 660
E--> 58 aacaaattct ctccatgggt ttgttccctc tacccaaatt catgccttca ggatacttac
59 720
E--> 60 tctgcccaat cttcactcat ctctgctttg gtcattcaaa tctcaaatgt agccatttct
61 780
E--> 62 aaaaggctct ccaagagaat aatatttgaa agcattttgc tattctatca agtgatcata
63 840
E--> 64 caatgtctgc tcctgccacc accatgacca tccccatgaa tacagacact gccttcttag
65 900
E--> 66 tgtttgctgt atgtgttctg tgtggtacat tgtagataaa tgctgtaata aacatctgtg
67 960
E--> 68 gagcaaattg aatcatcaga tagcaccctc tctctgagag gcatgatctc atggttatcc
69 1020
E--> 70 ccaaagcatg aggtaaggac attatcccag gtccatgctg gtttccgtat tgattgtttc
71 1080
E--> 72 taacacaaac ttaatagatt aaaacagcac ggatttattc tcacatgttt tgagacgcca
73 1140
E--> 74 gaaatctgac accagtttca atgtttagac ttgatgcaca cctgtaattc tggtacttag
75 1200
E--> 76 gaggcagatg caggggact atgatttaaa gcccattttt aagctgctgg gtgagaacct
77 1260
E--> 78 gtcttgattt ttttttcaca ttgggctaaa agtcaaggat catcagggtt ggtgcattct
79 1320
E--> 80 ggaagaaacc tttgccttgc agcttcccag agggccgcca gcattccttg gcttgtgttt
81 1380
E--> 82 ggtcctggaa tcactgtgac cttatgctcc atcctcacat tccctctgca tttatcctct
83 1440
E--> 84 aagcaccggt gtgcttgtat ccaaccttta ggagccccat agatcccccа tttctcctcg
85 1500
E--> 86 acttaatcac acctgtataa gtacttttca ctctgcaaag caatatttgt gggtccaagg
87 1560
E--> 88 gattaggatg tgggtatatt tgtggggtgt cattattcaa tgcttcatat ttacactgtt
89 1620
E--> 90 tctctgtttc actttattgg ggtacttgaa cttctaagaa gaactgaggg gtattgttgt
91 1680
E--> 92 aggaactaaa ttcccccatg gacctctgtg ctttccacct atcacacaag acagagggta
93 1740
E--> 94 tttgtatttt tagatcccca gaagaaattc ccactctcaa ccctccatcc ctgacttgct
95 1800
E--> 96 cacatctaga tgaagcaggg aacagcctga gtcctggaac tcactggagc cagatgactc
97 1860
E--> 98 tatggagtta ggttttagta ttcaagacac gatgcaagac tcacctgcct tcccctcaca
99 1920
E--> 100 gacatgtggc tgcctgtcaa aggtggggcc atggggctgc tgagactaag tcacgtggac
101 1980
E--> 102 agcgcccatg acaagcagtg acatggagac caaggctgca gtgtgcatgc tccacaggtg
103 2040
E--> 104 cacctgaagc ctcagagacg ggaagaggag agggagcaga aagatggggt acagataccc
105 2100

same error

} see item 10 on Error Summary Sheet

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

E--> 106 ctctgttagg aagggcttca aaaccgtctt ctaagttttt gatcctttta aatgtatcca
107 2160
E--> 108 cctgtcactt gaccctctcc tgctctgtct gatcagcttc tcaaaaccct tcatcccctt
109 2220
E--> 110 aactccaccc tactgaaaaa agatgaaacc acttgtcaat ataaacctca acagctaagc
111 2280
E--> 112 atggaatact gttaacccct caagacataa agctgactga agggataagt ttgaaaaaaa
113 2340
E--> 114 tgggcttcag tttgcactag ctaagtatgt aaccttgaag atattactca gtttctctga
115 2400
E--> 116 acttcagtct gctctcctat ttattgacaa catgtaagag cacataccgg gcatttcttg
117 2460
E--> 118 tcaccaaatg aagtttccag taccaggaat gggttatatc taatcgagtt gttggccaaa
119 2520
E--> 120 ggagttccat ggaaactccc aaacaatcca ggctattggc aagacttttg atgtctctcc
121 2580
E--> 122 acaaactgac agcaactgtt gaaagacaat acctacacag ctcactgaac acagagaagc
123 2640
E--> 124 tgagttggtg cctacataaa tcctctagct ctatgaaggt ccataatggt attcatggcc
125 2700
E--> 126 ctagaagata ctcttccctc caccaaagga gaaatgtaaa cactaagcca gccataaacc
127 2760
E--> 128 ctttggtctg ttagagtggc ctgcctgcaa gttctgctgg tgtaataatg gcacagagct
129 2820
E--> 130 tgtaggagta accaaacaat atctgatagg ttaaggccca ctccatgaga tcaaacccag
131 2880
E--> 132 acctaacaac acttgggtgg atgagaaccc gagaccagat aggccaggga cctatgggaa
133 2940
E--> 134 aactaaacat gactgttctg ctaaaagaac ctaccaataa aatagctcct agtgacattc
135 3000
E--> 136 tgccatattt atagatcagt tccttgttca tccatcatca gaaaacttcc tcttcagtag
137 3060
E--> 138 atagaaacaa atatagagcc cacagccaga taatatccag agagtgagat accctggaac
139 3120
E--> 140 actcagctct aaaagggatg tctccatcaa ccccccccc ccccaccttt caggactcat
141 3180
E--> 142 gaaaccctcc agaagacgag tcagaaagag tgtaagatcc agaagggatg gaggacatcc
143 3240
E--> 144 aaaacttaag gccttcaaga cacaactgta agggaacaca tatgaactta gagagatggt
145 3300
E--> 146 gcagcatgca cagagcctgc atgggcttgt accagatggg gttctagagc tgaaaggaga
147 3360
E--> 148 aatggatagc cactctgatt cctaacccag aagtgacccc taactgatag tgacttgcaa
149 3420
E--> 150 ataaaaaatt agtctttttt caaagggagt ctcactggga aaataaacca ctctaaatag
151 3480
E--> 152 tagaccccat gcccagcagt agatggccaa cagaaaatga actcaatgtc atctttgacc
153 3540
E--> 154 ttcctttgtc ggaaagcttt ttgtttgctt tttcttaccc tacaggtcct ttgcatattt

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

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Output Set: N:\CRF3\01112001\I605042.raw

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E--> 156 attatggttt cttgtttcag gtttttaatg gaactcctga gtgtgtgaat gtgtgtgtct
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E--> 158 ctgcatacat gtgtgtttct taagcccgtt ctttttcttt tcttctcttt attgtttaaa
     159 3720
E--> 160 aaaacaattg ttctttattt tattattatt ccttatttta gacagaaaca ttgtggatcc
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E--> 166 caagggaacc ataatcagaa tatactgtat gaaaaaaatt ctattttcaa taaaaaaaga
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E--> 168 ataaaaaaaa aacagtctga ctgaagaata gcacttggta agtaactctt gttataacaa
     169 4020
E--> 170 tccatatcaa atgccctgcc tgtgttagca agttaagaga aaagattatt ccaagagatc
     171 4080
E--> 172 caagtctcct tcaaaaccaa gtgtgtacag aacattgtct gaggagtaag attgcatttg
     173 4140
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     175 4200
E--> 176 cactggtgaa aaatggagag aatagatata tcctttgaga aatttggtct caaaaagtag
     177 4260
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     179 4320
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     199 4920
E--> 200 caatctcact tgagtgagtt gagtgactct cctagtattc tacagaggtt tcctcaggtg
     201 4980
E--> 202 gggaggaatg ggtgggagaa gcaaatttaa gactggttga tttcttgaat ttcagtgggc
     203 5040
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RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

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205 5100
E--> 206 agagcagagt atagtagccc tgtgtggcag tcacaccaag cagacagaag atagggcatg
207 5160
E--> 208 gctctggtgt ggctggtaga cataggaaag gatccttgta gcaagatgtt tgccatctcc
209 5220
E--> 210 agagacttag acagcccagg aaagtttgtc ctcccaggac cagccagcac tgagactgga
211 5280
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213 5340
E--> 214 aaagtctcct tgctcctgcc taaagctttg ccaattctgc aaaccttgaa aaattagcat
215 5400
E--> 216 ctttaaattc agaagggata caagaagaga acttacatgg gaccttgtaa aaaagcatag
217 5460
E--> 218 ggcatcagta actaaagtta caaagataac aatcagtggt gagtgaacaa aggacatggc
219 5520
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221 5580
E--> 222 gcacacacac acacgcgcac acacacacac acgcatgcac acatgcacca cacacaaact
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229 5820
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231 5880
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233 5940
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235 6000
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237 6060
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245 6300
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247 6360
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249 6420
E--> 250 gagttaaatt ccctgggata ctagtcacgg tggactcagg caaacagcct cttcaattgt
251 6480
E--> 252 aagatgattc cctagtccaa ggaccctcta ctgtttggac tccagtcttg tctgacagag

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

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     255 6600
E--> 256 ctgtctggaa tctagtgagg aggacttatc tggtgaagct gtcctttaga acaggagtgt
     257 6660
E--> 258 gttccagtct tcaaagcaaa cattcctttt atcctaacac agtctgactt cagatatact
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     271 7080
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E--> 286 ttgaatgaat aagtaggtga gagcaaattg taagttcagg taatcacgaa cttcctgtaa
     287 7560
E--> 288 aactccaagg ctgcctccag taaggtataa gtcctgagtg agcctttccc catcttgcaa
     289 7620
E--> 290 ctttttgctc caaatgaaag actcagttct tcaaaatgtg cagcacatgg aggtttgcga
     291 7680
E--> 292 cataggggtg tattcacaga ggcttcggaa gcccaccaaa cctacagtta gatcactgta
     293 7740
E--> 294 cagtcttcct tttacataca agctgtgcct cctggtntac atccatgctg ttttctgatc
     295 7800
E--> 296 catatagagg gtacacaaca aaagcatttc ttctgtctat agggaagcaa attagatcat
     297 7860
E--> 298 gcatgtgcct cacccacctc tgttctcatg atttcaggca tcagaaacac aagggaaatc
     299 7920
E--> 300 caaagtacct aacccatcct tgcctttggg caggtgtttc caggacagag ggcagagtgt
     301 7980
```

done

see item 10

FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

E--> 302 aaaggatggg gatccctttg acctggatgc tgctggtaat gatggtaacc tcctggttca
303 8040
E--> 304 ctctggctga agccagtaac tcaacagaag cgagtaagtg tgtgtgtgtg tgtgtgtgtg
305 8100
E--> 306 tgtgtgtgtg tgtgtagaga aatgttccct ttgcagaagc aatcttaatc cctcttttag
307 8160
E--> 308 cacacttgat gtgatcttta ttttaagccc atttctcaga ttgtaatgag cacaggactc
309 8220
E--> 310 acttcgaagt tttgttaaga tgcaaattct actttagtag gtctagcaag gggcccgaga
311 8280
E--> 312 ctctgaatta atagcagcgt gtgggtgatg tttctggtgg gacaaggggc taaaacacct
313 8340
E--> 314 ctgaaccatt tctgcacttc acggtaaagt cacaagcatg cccagataca taagagattt
315 8400
E--> 316 gacccacctc tcctgtaagt gtgaagtcat cccatggggg tagctttgcc ttccaccctg
317 8460
E--> 318 gagtactctg gaattacact aagtataatt gtgaggtcat ggttaaaagc acatgttctg
319 8520
E--> 320 tggtcaggcc atgtgcgtgt accctgtttg acaactggct tgctcgttct gaatgtcaat
321 8580
E--> 322 attcttttct gtaaatgaag aaaatgaaaa tgggttccag cggcaggggg tgtgccctgg
323 8640
E--> 324 ggaggattcg ctaaactcta gactgaaaag tcaatgaata gaggactcca ctcaggggag
325 8700
E--> 326 ctcggatggg tgtgttttga aggtgccaac aacttaacaa gtccagaaaa gcaagaaagt
327 8760
E--> 328 atgggcaggg gcacctgcca gctgcaggga ttctgaagct gggctcttct gtccgcagga
329 8820
E--> 330 cggtgttctg aatgccacaa ccacgccacc tgcacggtgg atggtgtggt cacaacgtgc
331 8880
E--> 332 tcctgccaga ccggcttcac tggtgatggg ctggtgtgtg aggacatgga tgagtgtgct
333 8940
E--> 334 accccatgga ctcacaactg ctccaacagc agctgtgtga acaccccggg ctcgtttaag
335 9000
E--> 336 tgctcctgtc aggatggttt tcgtctgacg cctgagctga gctgcactga tgtggatgag
337 9060
E--> 338 tgctcagagc aggggctcag taactgtcat gccctggcca cctgtgtcaa cacagaaggc
339 9120
E--> 340 gactacttgt gcgtgtgtcc cgagggcttt acaggggatg gttggtactg tgagtgctcc
341 9180
E--> 342 ccaggctcct gtgagccagg actggactgc ttgccccagg gcccggatgg aaagctggtg
343 9240
E--> 344 tgtcaagacc cctgcaatac atatgagacc ctgactgagt actggcgcag cacagagtat
345 9300
E--> 346 ggtgtgggct actcctgtga cgcgggtctg cacggctggt accgg
347 9345
350 <210> SEQ ID NO: 2
351 <211> LENGTH: 297
352 <212> TYPE: DNA

sense

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:48

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

353 <213> ORGANISM: GOAT UROMODULIN
355 <400> SEQUENCE: 2
E--> 356 tactggcgca gcacagagta cggctccggc tacgtctgtg atgtcagtct gggcggctgg
357 60
E--> 358 taccgcttcg tgggccaggg cggcgtgcgc ctgcccgaga cctgcgtgcc cgtcctgcac
359 120
E--> 360 tgcaacacgg ccgcgcctat gtggctcaac ggcacgcacc catcgagcga cgagggcatc
361 180
E--> 362 gtgaaccgcg tggcctgtgc gcactggagc ggcgactgct gcctgtggga cgcgcctgtc
363 240
E--> 364 caagtgaagg cctgtgccgg cggctactac gtgtacaacc tgacagagcc ccctgag
365 297
368 <210> SEQ ID NO: 3
369 <211> LENGTH: 653
370 <212> TYPE: DNA
371 <213> ORGANISM: GOAT UROMODULIN
373 <400> SEQUENCE: 3
E--> 374 actatagggc acgcgtggtc gacggcccgg gctggtaaat cttaaaaaaa aaaaaaaaca
375 60
E--> 376 aaaagaacat cactaagccc ccctgccctg gcactttatt ggaaggtcaa gaacacactc
377 120
E--> 378 aaccacacaa gagatgtgaa catacctgtg tggtacccaa agacatcccc tttcacacat
379 180
E--> 380 acatgaccct tccattgggt tgcacattgc tgttagcttt ttgttggaga agggagctag
381 240
E--> 382 acacctctac acaacccccа actggagttc tctggaacag agtaaatacc atcgtgtcat
383 300
E--> 384 catggagcgc acacacactg tggtcctgca acctcgattt gtgtcctggc tctgctgctt
385 360
E--> 386 accaatgaag caagtagctt aaaccttctg aatctcaagt ttcctcaccc tcaaactata
387 420
E--> 388 gctaaataca aaagtcattt cccagggcca ctggagagga ttctatcaga taatggatag
389 480
E--> 390 aagatgccta tcccagtgtt tgacatatcc taagtgctta atacacgaga gctcaccatc
391 540
E--> 392 tttactggta ttattgcaca gagaaacaca caaagtgtca gtgcccctgc taggtagaga
393 600
E--> 394 gggangcang gnaaggagat ctgagcaaaa ggcatagaat atatcaagct ggg
395 653
398 <210> SEQ ID NO: 4
399 <211> LENGTH: 655
400 <212> TYPE: DNA
401 <213> ORGANISM: GOAT UROMODULIN
403 <400> SEQUENCE: 4
E--> 404 cgggggaagg tttattttgt ttcttttcaa agggggtctt gntctgtctc aaagaccnta
405 60
E--> 406 aggaccatga aaaaatctct ttgtnaaaag tgccaagcgg tccccactct gaatctgggc
407 120
E--> 408 ttttctgcct gcagaaagct gctctgaatg tcacgccaat gccacttgta cggtggacgg

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:49

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

409 180
E--> 410 ggcttgccac gacctgcgcc tgccaggagg gcttcactgc gacggcctcg aatgtgcgga
411 240
E--> 412 tctggatgaa tgcgccattc tgggggcgca caactgctcc gccaccaaca gctgcgtgaa
413 300
E--> 414 cgcgctgggc tcctacacat gcgtctgccc tgaaggtttc ctcctgagct cggagctcgg
415 360
E--> 416 ctgcgaggat gtggacgagt gtgcagagcc agggctcagc cgctgccacg ccctggccac
417 420
E--> 418 ctgcatcaat ggcgagggca actactcatg cgtgtgtccc gcgggctacg tgggggacgg
419 480
E--> 420 gaggcactgt gagtgttccc cgggctcctg cgggcctggg ctagactgcg tgcgggaggg
421 540
E--> 422 tgacgcgcta gtgtgcgctg acccgtgcca ggcgcaccac atcctggacg aatactggcg
423 600
E--> 424 cagcacagag tacggctccg gctacgtctg tgatgtcagt ctgggcggct ggtac
425 655
428 <210> SEQ ID NO: 5
429 <211> LENGTH: 24
430 <212> TYPE: DNA
431 <213> ORGANISM: MOUSE UROMODULIN
433 <400> SEQUENCE: 5
E--> 434 tggaccagtc ctgtcctggt tcag
435 24
438 <210> SEQ ID NO: 6
439 <211> LENGTH: 24
440 <212> TYPE: DNA
441 <213> ORGANISM: MOUSE UROMODULIN
443 <400> SEQUENCE: 6
E--> 444 gggtgttcac acagctgctg ttgg
445 24
448 <210> SEQ ID NO: 7
449 <211> LENGTH: 22
450 <212> TYPE: DNA
451 <213> ORGANISM: MOUSE UROMODULIN
453 <400> SEQUENCE: 7
E--> 454 agggctttac aggggatggt tg
455 22
458 <210> SEQ ID NO: 8
459 <211> LENGTH: 22
460 <212> TYPE: DNA
461 <213> ORGANISM: MOUSE UROMODULIN
463 <400> SEQUENCE: 8
E--> 464 gattgcactc aggggctct gt
465 22
468 <210> SEQ ID NO: 9
469 <211> LENGTH: 24
470 <212> TYPE: DNA
471 <213> ORGANISM: MOUSE UROMODULIN

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:49

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

473 <400> SEQUENCE: 9
E--> 474 ggaacttcat agatcagacc cgtg
475 24
478 <210> SEQ ID NO: 10
479 <211> LENGTH: 24
480 <212> TYPE: DNA
481 <213> ORGANISM: MOUSE UROMODULIN
483 <400> SEQUENCE: 10
E--> 484 tgccacattc cttcaggaga cagg
485 24
488 <210> SEQ ID NO: 11
489 <211> LENGTH: 22
490 <212> TYPE: DNA
491 <213> ORGANISM: MOUSE UROMODULIN
493 <400> SEQUENCE: 11
E--> 494 agggctttac aggggatggt tg
495 22
498 <210> SEQ ID NO: 12
499 <211> LENGTH: 22
500 <212> TYPE: DNA
501 <213> ORGANISM: MOUSE UROMODULIN
503 <400> SEQUENCE: 12
E--> 504 gattgcactc agggggctct gt
505 22
508 <210> SEQ ID NO: 13
509 <211> LENGTH: 22
510 <212> TYPE: DNA
511 <213> ORGANISM: MOUSE UROMODULIN
513 <400> SEQUENCE: 13
E--> 514 gcctcagggc ccggatggaa ag
515 22
518 <210> SEQ ID NO: 14
519 <211> LENGTH: 22
520 <212> TYPE: DNA
521 <213> ORGANISM: MOUSE UROMODULIN
523 <400> SEQUENCE: 14
E--> 524 gcagcagtgg tcgctccagt gt
525 22
528 <210> SEQ ID NO: 15
529 <211> LENGTH: 20
530 <212> TYPE: DNA
531 <213> ORGANISM: MOUSE UROMODULIN
533 <400> SEQUENCE: 15
E--> 534 tgtcctatgt gactccagct
535 20
538 <210> SEQ ID NO: 16
539 <211> LENGTH: 20
540 <212> TYPE: DNA
541 <213> ORGANISM: MOUSE UROMODULIN

VERIFICATION SUMMARY DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:50

Input Set : A:\WU4JC.txt
Output Set: N:\CRF3\01112001\I605042.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:36 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:1
M:254 Repeated in SeqNo=1
L:96 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:96 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:96 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:96 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:96 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:294 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
M:340 Repeated in SeqNo=1
L:356 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:2
M:254 Repeated in SeqNo=2
L:374 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:3
M:254 Repeated in SeqNo=3
L:394 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:394 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:394 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:394 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
M:340 Repeated in SeqNo=3
L:404 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:404 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:404 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:404 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:404 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
L:404 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:4
L:406 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:406 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:406 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:406 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
M:340 Repeated in SeqNo=4
M:254 Repeated in SeqNo=4
L:434 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:5
L:444 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:6
L:454 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:7
L:464 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:8
L:474 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:9
L:484 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:10
L:494 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:11
L:504 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:12
L:514 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:13
L:524 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:14
L:534 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:15
L:544 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:16
L:554 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:17
L:564 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:18

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:49

Input Set : A:\WU4JC.txt
Output Set: N:\CRF3\01112001\I605042.raw

543 <400> SEQUENCE: 16
E--> 544 tctcctcagc tctcctggtc
545 20
548 <210> SEQ ID NO: 17
549 <211> LENGTH: 20
550 <212> TYPE: DNA
551 <213> ORGANISM: MOUSE UROMODULIN
553 <400> SEQUENCE: 17
E--> 554 tcctgccacc accatgacca
555 20
558 <210> SEQ ID NO: 18
559 <211> LENGTH: 20
560 <212> TYPE: DNA
561 <213> ORGANISM: MOUSE UROMODULIN
563 <400> SEQUENCE: 18
E--> 564 aagcaccggt gtgcttgtat
565 20
568 <210> SEQ ID NO: 19
569 <211> LENGTH: 20
570 <212> TYPE: DNA
571 <213> ORGANISM: MOUSE UROMODULIN
573 <400> SEQUENCE: 19
E--> 574 atggggctgc tgagactaag
575 20
578 <210> SEQ ID NO: 20
579 <211> LENGTH: 20
580 <212> TYPE: DNA
581 <213> ORGANISM: MOUSE UROMODULIN
583 <400> SEQUENCE: 20
E--> 584 aagtcagact gtgttaggat
585 20

VERIFICATION SUMMARY DATE: 01/11/2001
PATENT APPLICATION: US/09/605,042 TIME: 13:28:50

Input Set : A:\WU43C.txt
Output Set: N:\CRF3\01112001\I605042.raw

L:574 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:19
L:584 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:20
L:594 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:21
L:604 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:22
L:614 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:23
L:624 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:24
L:634 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:25
L:644 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:26
L:654 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:27
L:664 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:28
L:674 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:29
L:684 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:30
L:694 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:31
L:704 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:32
L:714 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:33
L:724 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:34
L:734 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:35
L:744 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:36
L:754 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:37
M:254 Repeated in SeqNo=37
L:1481 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:29 SEQ:53
L:1494 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:30 SEQ:54

US 0960504207P1

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